

VOLGRIP HP - High Performance

Supply and installation of bentonite based self-gripping membrane coupled with polyethylene membrane (MDPE) for the effective protection of reinforced concrete structures from constant, fluctuating or percolating groundwater, even in the presence of high hydraulic pressure.

The product must be used in combination with reinforced concrete castings (slabs and foundation walls against diaphragms, poles, berliners, existing foundations or disposable formworks) of buildings such as: garages, cellars, warehouses, vaults, taverns, warehouses, autosilos, underpasses, tunnels, etc ...

The material must have the following characteristics:
EC Certification according to EN 13491

Specification	Standards	Values
Thickness	UNI EN ISO 9863-1	> 4 mm
Sodium Bentonite content	UNI EN 14196	> 4 kg/m ²
Free swelling	ASTM D 5890	> 24 ml/2g
Tensile strength	UNI EN ISO 10319	8.5 kN/m
Resistance to peeling off from concrete	ASTM D 903	> 1.5 kN/m
Hydraulic capacity of the geocomposite	ASTM D 5887	6E ⁻⁹ m ³ /m ² /s
Hydraulic capacity with MDPE membrane	ASTM D 5887	no flow

as well as Volgrip HP Volteco or a product with equal or superior characteristics.

The technical data must be supported by test certification issued by an accredited official laboratory and / or be subjected to quality control according to ISO 9001.

For further details on the individual products and installation specifications, refer to the relevant technical data sheets which can be downloaded in the updated version on the website www.volteco.com.